Imperial-TUM Joint Academy of Doctoral Studies

New approaches to training the next generation of researchers and innovators

Monday, 19 October, 13.00-14.30 (BST)/ 14.00-15.30 (CET)

AGENDA

Welcome

Prof. Daniel Rückert, Alexander von Humbolt Professor for Artificial Intelligence, TUM

TUM-Imperial Partnership

Prof. Maggie Dallman, Vice President (International), Associate Provost (Academic Partnerships), ICL
Prof. Juliane Winkelmann, Senior Vice President International Alliances and Alumni, TUM

Munich-London Research and Innovation Nexus

Mr. Bernd Sibler, Bavarian State Minister for Science and the Arts
Mr. Rajesh Agrawal, Deputy Mayor of London for Business

JADS Programme

Prof. Aldo Faisal, Professor of AI and Neuroscience, ICL
Prof. Nassir Navab, Chair of Computer-Aided Medical Procedures and Augmented Reality, TUM

Overview of JADS Projects

- Representation Learning in Oncologic Imaging
  Dr. Ben Glocker (ICL) and Prof. Marcus Makowski (TUM)

- Motion-Corrected Quantitative Body MRI
  Dr. Bernard Kainz (ICL) and Prof. Dimitrios Karampinos (TUM)

- Confidence-driven Robotic Ultrasound Tissue Scanning for Surgical Resection Guidance
  Dr. Stamatia Giannarou (ICL) and Prof. Alin Albu-Schäffer (TUM)

- Human not Monkey Robotics: Neuro-inspired object manipulation with dextrous hands
  Prof. Aldo Faisal (ICL) and Prof. David Franklin (TUM)

- Sensory Motor Interface for Lower-extremity Exoskeletons
  Dr. Ravi Vaidyanathan (ICL) and Prof. Klaus Drechsler (TUM)

- Non-fluoroscopy-based Robotic Catheter Manipulation and Tracking based on Machine Learning, Bioelectrical Localization and Robotics
  Prof. Ferdinando Rodriguez y Baena (ICL) and Prof. Nassir Navab (TUM)

Questions and Discussion

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